

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	43	laser same (gaas near3 substrate) same (mirror reflect\$3 dbr) same well same barrier same (current confin\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 16:57
L2	1328	well same (gainasp ingaasp) same barrier same (ingap gainp ingaasp gainasp)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 16:59
L3	978	(well with (gainasp ingaasp)) same (barrier with (ingap gainp ingaasp gainasp))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 17:00
L4	96	(well with (gainasp ingaasp)) same (barrier with (ingap gainp ingaasp gainasp)) same (substrate with gaas)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 17:06
L5	28	((well with (gainasp ingaasp)) same (barrier with (ingap gainp ingaasp gainasp)) same (substrate with gaas)) and (vertical vcsel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 17:28
L6	26	vcsel same ("800" adj nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 17:28
S1	2064	372/45..01.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 14:47
S2	1062	372/43.01.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:14
S3	2	"5633886".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:16

## EAST Search History

S4	0	S1 and S2 and (vcsl same (gaas near substrate) same (algaas near dbr) same confinement same (well near ingaasp) same (barrier near (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:20
S5	0	S1 and S2 and ((vertical vcsl) same (gaas near substrate) same (algaas near dbr) same confinement same (well near ingaasp) same (barrier near (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:20
S6	0	((vertical vcsl) same (gaas near substrate) same (algaas near dbr) same confinement same (well near ingaasp) same (barrier near (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:21
S7	0	((vertical vcsl) same (gaas near substrate) same (algaas near dbr) same confin\$5 same (well near ingaasp) same (barrier near (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:21
S8	0	((vertical vcsl) same (gaas near substrate) same (algaas near dbr) same current same (well near ingaasp) same (barrier near (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:21
S9	0	((vertical vcsl) same (gaas near3 substrate) same (algaas near3 dbr) same confin\$5 same (well near3 ingaasp) same (barrier near3 (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:22
S10	0	((vertical vcsl) same (gaas near3 substrate) same (algaas near3 (mirror reflect\$3 dbr)) same confin\$5 same (well near3 ingaasp) same (barrier near3 (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:23
S11	0	((vertical vcsl) same (gaas near3 substrate) same (algaas near3 (mirror reflect\$3 dbr)) same (well near3 ingaasp) same (barrier near3 (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:25
S12	0	((vertical vcsl) same (gaas near3 substrate) same ((mirror reflect\$3 dbr)) same (well near3 ingaasp) same (barrier near3 (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:23

## EAST Search History

S13	0	(laser same (gaas near3 substrate) same (algaas near3 (mirror reflect\$3 dbr)) same (well near3 ingaasp) same (barrier near3 (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:24
S14	0	(diode same (gaas near3 substrate) same (algaas near3 (mirror reflect\$3 dbr)) same (well near3 ingaasp) same (barrier near3 (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:24
S15	0	((vertical vcsel) same (gaas near3 substrate) same (mirror reflect\$3 dbr) same (well near3 ingaasp) same (barrier near3 (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:26
S16	1	((vertical vcsel) same (gaas near3 substrate) same (mirror reflect\$3 dbr) same well same (barrier near3 (ingap gainp ingaasp)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:27
S17	10	(vertical vcsel) same (gaas near3 substrate) same (mirror reflect\$3 dbr) same well same barrier same confinement	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:41
S18	74	(vertical vcsel) same (gaas near3 substrate) same (mirror reflect\$3 dbr) same well same barrier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:42
S19	15	(vertical vcsel) same (gaas near3 substrate) same (mirror reflect\$3 dbr) same well same barrier same current	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 16:56